BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements to road and drain at Puttananjappa layout 5th main I/F of shiva temple in ward no 9 In vidyaranyapura sub Division.

Name of Agency: Sri T.K. Shankarappa, Contractor, # 60, Kempaiah Building, Ananthapur (V), N.S Halli (T), Bangalore - 64.

Estimated Cost: 15,00,000.00

Tender Amount : Rs. 14,42,057.04 Lakhs

Work Order No. EE/BTP/BBMP/E-PMT-03(18378)/WO/261/2015-16 Dated: 26.02.2016.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the	Cum	306.00	83.16	25446.96	306.00	80.00	24480.00	283.20	283.20	80.00	22656.00	0.00	0.00	0.00	22656.00	1824.00		
2	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	26.55	5070.60	134624.43	26.55	5000.00	132750.00	28.35	28.35	5000.00	141750.00	0.00	0.00	0.00	141750.00		9000.00	
3	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5.40	4905.36	26488.94	5.40	4900.00	26460.00	5.40	5.40	4900.00	26460.00	0.00	0.00	0.00	26460.00			
4	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine	Cum	3.60	5490.72	19766.59	3.60	5400.00	19440.00	3.60	3.60	5400.00	19440.00	0.00	0.00	0.00	19440.00			

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses,	Sqm	434.53	306.72	133279.04	434.53	306.00	132966.18	330.13	330.13	306.00	101019.00	27.80	0.00	0.00	101019.00	31947.18		
6	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @	Cum	70.11	6198.12	434550.19	70.11	6198.00	434541.78	61.47	61.47	6198.00	380991.00	0.00	0.00	0.00	380991.00	53550.78		
7	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding	Tonne	4.91	69805.80	342746.48	4.91	69800.00	342718.00	4.30	4.30	69800.00	300342.00	0.00	0.00	0.00	300342.00	42376.00		
8	Scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per	Sqm	546.00	25.92	14152.32	546.00	25.00	13650.00	546.00	546.00	25.00	13650.00	0.00	0.00	0.00	13650.00	0.00		
9	Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to	Cum	109.20	1713.96	187164.43	109.20	1700.00	185640.00	109.20	109.20	1700.00	185640.00	0.00	0.00	0.00	185640.00	0.00		
10	Providing and applying primer coat with S.S. **bitumen emulsion** on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc	Sqm	546.00	32.40	17690.40	546.00	32.00	17472.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00	0.00	17472.00		
11	Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver	Cum	13.65	8469.36	115606.76	13.65	7080.01	96642.14	0.00	0.00	7080.01	0.00	0.00	0.00	0.00	0.00	96642.14		
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** etc complete as per specifications and directions of engineer in charge of the work	Cum	306.00	106.34	32540.04	306.00	49.99	15296.94	283.20	283.20	49.99	14157.00	0.00	0.00	0.00	14157.00	1139.94		
																1206105.00			

EIRL

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
13	**Providing precast slab of 100 mm thick** including cost of all materials, labour, curing,transportation,loading and unloading, etc., complete as per the direction of engineer in charge- Data	Sqm							149.40				149.40	1574.15	235179.00	235179.00		235179.00	
	Sub Total				1484062.59											**235179.00**			
	Third Party Inspection Charges @ 1%				14840.63														
	Miscelaneous and unforgen charges	LS			1097.00														
	Total				**1500000.00**			**1442057.04**				**1206105.00**			**0.00**	**1441284.00**	**244952.04**	**244179.00**	
																		0.05 Below	

SUMMARY:

1. **Estimated Cost : Rs. 20.00 Lakhs**
2. **Tender Cost : Rs. 19.27 Lakhs**
3. **EIRL Amount Rs. 2,35,179.00 = 16.31 % of the Tender Amount**
4. **Work Slip Amount Rs. 00 = 0.00 % of the Tender Amount**
5. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 14.42 Lakhs which is 0.05% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92
29/6/16

"Work-Slip Approved"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Rangalore 92
29.06.16